

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0129186

Owner: Ste. Genevieve Sand and Material Company  
Address: 550 Water Street, Chester, IL 62233

Continuing Authority: Southern Illinois Transfer Company, Inc.  
Address: 550 Water Street, Chester, IL 62233

Facility Name: Bigfield Terminal  
Facility Address: 3 miles East of Ste. Genevieve, Ste. Genevieve, MO 63670

Legal Description: Between River Mile 120 and 121 near Sec. 31, T38N, R10E, Ste. Genevieve County

Latitude/Longitude: +3757333/-08959149

Receiving Stream: Mississippi River (P)

First Classified Stream and ID: Mississippi River (P)(01707)

USGS Basin & Sub-watershed No.: (07140101-230-004)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

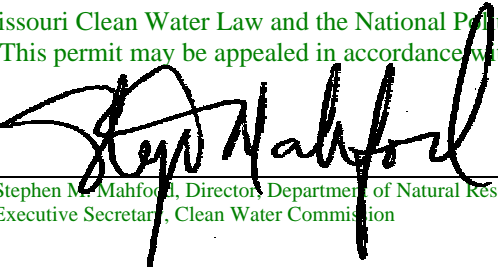
**FACILITY DESCRIPTION**

Outfall #001 - Industry - SIC #4449  
Offloading Barge/Stormwater/Crane Containment Area/Holding Tank  
Flow varies with precipitation.  
Design flow is 66 gallons/day.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

June 13, 2003  
Effective Date

June 12, 2008  
Expiration Date  
MO 780-0041 (10-93)

  
Stephen M. Mahford, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

Gary L. Gaines, P.E., Director, Southeast Regional Office

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 2 of 5	
					PERMIT NUMBER MO-0129186	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001 No-Discharge - Note 1						
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2003</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I, &amp; III</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

**A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)**

Note 1 -Stormwater shall be collected in a holding tank and taken to a permitted treatment facility. An annual report shall include a summary of daily rainfall, date that wastewater is removed from the facility, who removed the wastewater and the quantity of wastewater removed. The final disposal location shall be reported, including the name of the disposal facility, the disposal permit number, and date of permit issuance.

**C. SPECIAL CONDITIONS**

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
  - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
    - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
    - (2) controls any pollutant not limited in the permit.
  - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
  - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
  - (1) One hundred micrograms per liter (100 µg/L);

C. SPECIAL CONDITIONS (continued)

- (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
    - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
    - (4) The level established in Part A of the permit by the Director.
  - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
5. Report as no-discharge when a discharge does not occur during the report period.
6. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
- (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
7. Industrial Sludge Disposal
- (a) Disposal of industrial sludge is not authorized by this permit. Industrial sludge shall be disposed at a permitted solid waste disposal facility in accordance with 10 CSR 80; or if the sludge is determined to be hazardous waste, shall be disposed at a permitted hazardous waste disposal facility pursuant to 10 CSR 25.
  - (b) Non-hazardous sludge that is disposed on site or that is exempted under 10 CSR 80 must obtain applicable permits under 10 CSR 20-6.015 and 10 CSR 20-6.200.
  - (c) Each effluent monitoring report shall also specify the date any sludge is removed from the facility, who removed the sludge and the number of gallons or quantity of sludge removed. The final disposal location shall be reported, including the name of the disposal facility, the solid waste or hazardous waste disposal permit number, and date of permit issuance.
  - (d) This permit may (after due process) be modified, or alternatively revoked and reissued, to comply with any applicable sludge disposal standard or limitation issued or approved under Section 405(d) of the Clean Water Act.

C. SPECIAL CONDITIONS (continued)

8. Collection facilities shall be provided on site, and arrangement made for proper disposal of waste products, including but not limited to petroleum waste products, and solvents.
9. Domestic wastewater needs will be met through the use of portable toilet facilities. The name of the disposal facility and the number of loads hauled shall be included in the annual report.
10. All paints, varnishes, glues, solvents, petroleum products and petroleum waste products (except fuels), shall be stored so that these materials are not exposed so storm water. Spill prevention control, and/or management shall be provided sufficient to prevent any spills of these pollutants from entering waters of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of surface water and groundwater.
11. Substances regulated by federal law under the Resource Conservation and Recovery Act (RCRA) or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that are transported, stored, or used for maintenance cleaning or repair shall be managed according to the provisions of RCRA and CERCLA.
12. All fueling facilities present on site shall adhere to applicable federal and state regulations concerning underground storage, above ground storage, and dispensers, including spill prevention, control and countermeasures.
13. The following areas will be managed through best management practices and are referenced below:
  - Barge Haul - This area is proposed to be covered to exclude stormwater. A steel containment area exist around the equipment.
  - Bobcat Loader Storage - This area is proposed to be tarped to exclude stormwater. A steel containment area exist around this equipment.
  - Diesel Fuel Storage - This area is proposed to be covered to exclude stormwater. A steel containment area exist around the tanks.
  - Diesel Powered Welding Unit - This area is proposed to be covered to exclude stormwater. A steel containment area exist around this equipment.
  - Load-Out Facility - This area will be cleaned daily. Offloading activities will not occur during eminent threat of a precipitation event.
  - Conveyor - This area is proposed to be covered to exclude stormwater.
  - Conveyor Platform - This area will be cleaned daily.
  - Barge Deck - This area will be cleaned daily.
- a. The facility will designate an individual/individuals to be responsible for environmental matters and ensure that the best management practices are being followed.
- b. The responsible individuals must complete a daily checklist that the areas listed above were inspected to ensure best management practices are being followed. The checklist must note observations and evaluation of BMP effectiveness, deficiencies, and corrective measures that will be taken. Checklist reports must be kept on site and be made available to MDNR personnel upon request. Records must be kept for 5 year period intervals and will be used for permit renewal consideration. For the days not in operation simply note, "Not in Operation."
- c. Any spillage, leaks, drippings, or condensate in the containment areas for the Barge Haul, Bobcat Loader, Diesel Fuel Storage, Diesel Powered Welding Unit must be removed and properly disposed of via means of absorbent materials on a daily basis. The Bobcat Loader must be tarped at the close of each business day unless it is left in the product barge.

C. SPECIAL CONDITIONS (continued)

- d. The Barge Deck, Conveyor and Coveyor Platform will be checked daily and any spilled product picked up daily.
14. Accumulated stormwater in the product barges shall not be discharge.